

Bureau of Chemical and Environmental Services

Radiochemical Testing

Organic and Radiochemistry Section

Radiochemistry measures items which are radioactive. We are all made of chemicals which are radioactive to a greater or lesser degree. The Utah Public Health Laboratory is the only laboratory in the state currently certified by EPA to make radioactivity measurements on environmental samples. EPA has set limits on radioactivity in drinking water to protect public health nationally. Our laboratory ensures Utah public water supplies meet this standard.

Our laboratory has been certified by the Food and Drug Administration for the radioactive contamination of food, and passes annual performance samples to maintain this certification.

We are currently certified by the Environmental Protection Agency (EPA) for the following testing on water and soil samples: Uranium EPA 200.8, Gross Alpha and Beta EPA 900.0, Radioactivity by Gamma Spectroscopy EPA 900.1, and Radium 228 by Gasflow EPA 904. Future capability for this lab may include Radium 226 and Radon.

For more information on environmental radiochemical testing, please see <http://www.epa.gov/narel/analysis.html> (this is the site currently listed for this section).